



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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November 30, 1987

TO: File

FROM: Frank Jensen, Revegetative Specialist

Frank Jensen

RE: Western Clay Company, Redmond Bentonite, M/041/012, Sevier County, Utah

The following photographs of the subject operation were taken on October 29, 1987. They are included in this file for reference purposes.



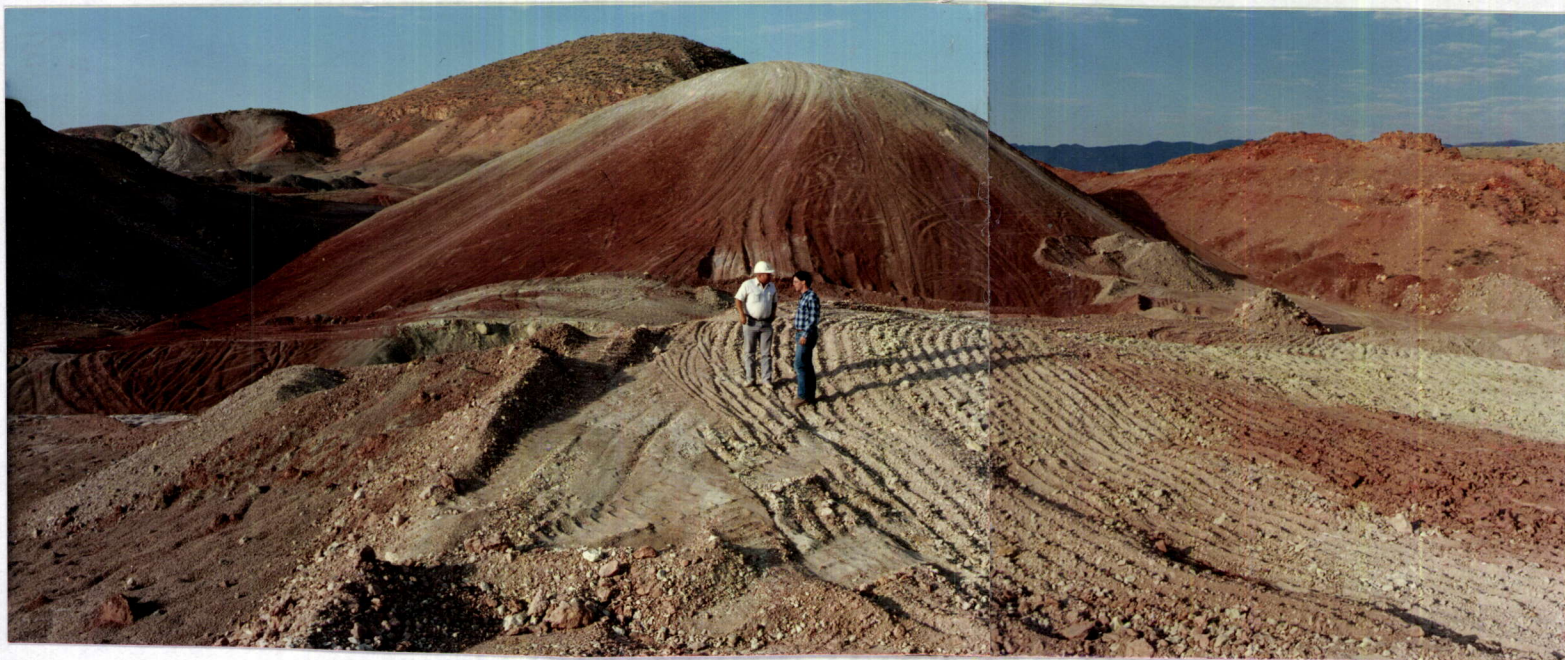
Western Clay Processing Plant at Aurora, Utah (on Highway 89).

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Redmond Benonite Operation



Mining Operation



Part of the mining area has no vegetation on it at all- such as the Knoll in the background. This hill is used by Motorcyclist. The area in the foreground is disced to loosen the Benonite clay and then mined.

Tom Chivers of Western Clay on the left, David Wham of the Division on the right.



Native plants on the area that does support vegetation includes: Whitesage, horsebrush, Rabbitbrush, Indian Ricegrass, Mormon tea, blacksage and needle and thread grass. Ground cover on this site is approximately 20%.

Note: that browse plants predominate the vegetative composition.



The company has established this test plot - (on the left) which was recently seeded. A mined area and overburden is shown on the right side of the photograph.



One of the mined areas.



The company has put in several small sediment ponds - such as this one.

Revegetation Recommendation:

When the company does reseeding, I recommend that emphasis be put on getting browse plants established. They will do better and provide more ground cover than most grasses on this type of areas. ~~A~~ recommended seed mixture and procedure follows:

1. Try to get back at least 12" of suitable soil over areas to be reclaimed.
2. Disc and pit to loosen and roughen the soil surface so there is small pits to catch all the precipitation.
3. Broadcast seed:

	<u>LBS per Acre</u>
Fourwing Saltbrush	4
Rabbitbrush	4
Shadsale	4
Crested wheatgrass	5
Indian Ricegrass	3
TOTAL	<u>20</u> lbs/acre

4. Lightly harrow or rake seed into soil 1/4" - 1/2"
5. Broadcast Fertilizer - 200 lbs/acre Diammonium phosphate 18-46-0

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cc: Western Clay Company
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